HPCES Technical Programme Agenda

Monday, January 19, 2004

1315hr – 1345hr	Automatic Generation of Geometrically Parameterized Reduced Order Models for Integrated Spiral RF-Inductors *J. White, MIT*
1345hr – 1415hr	A Meshfree Weak- Strong-form (MWS) method for solid and fluid mechanics *G. R. Liu, NUS*
1415hr – 1435hr	Reduced-order, trajectory piecewise-linear models for nonlinear computational fluid dynamics *David Gratton, MIT*
1435hr – 1455hr	An Immersed Interface Method for the Incompressible Navier-Stokes Equations *Duc-Vinh Le, MIT*
1455hr – 1515hr	Aerodynamic Shape Design of Nozzles Using a Hybrid Optimization Method *X. Q. Xing, NTU*
1515hr – 1530hr	**Break**
1530hr – 1600hr	An Algorithm for Computing the Symmetry Point of a Polytope *Robert M. Freund, MIT*
1600hr – 1620hr	A Constraint Handling Strategy for Bit-Array Representation GA in Structural Topology Optimization *Shengyin Wang, NTU*
1620hr – 1640hr	Substrate Resistance Extraction Using a Multi-Domain Surface Integral Formulation *A. Vathayathil, MIT*
1640hr – 1700hr	Computing Upper and Lower Bounds for the J-Integral in Two-Dimensional Linear Elasticity *Z.C. Xuan, MIT*

End of Day 1